

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S47	78	(orientation adj index) and fiber	US-PGPUB; USPAT	OR	ON	2008/06/17 13:22
S48	37671	(multicomponent bicomponent conjugate) and fiber	US-PGPUB; USPAT	OR	ON	2008/06/17 13:23
S49	128	high near speed near melt near spinning	US-PGPUB; USPAT	OR	ON	2008/06/17 13:23
S50	130	high near speed near melt near (spinning spin spun)	US-PGPUB; USPAT	OR	ON	2008/06/17 13:24
S51	36156	((heat crimp) near treatment) and fiber	US-PGPUB; USPAT	OR	ON	2008/06/17 13:24
S52	1	S47 and S48 and S50 and S51	US-PGPUB; USPAT	OR	ON	2008/06/17 13:25
S53	173	speed near melt near (spinning spin spun)	US-PGPUB; USPAT	OR	ON	2008/06/17 13:25
S54	1	S47 and S48 and S51	US-PGPUB; USPAT	OR	ON	2008/06/17 13:25
S55	8501	((orientation adj index) birefringence) and fiber	US-PGPUB; USPAT	OR	OFF	2008/06/17 13:26
S56	8	S55 and S48 and S50 and S51	US-PGPUB; USPAT	OR	ON	2008/06/17 13:26
S57	8	S56 and (polyethylene polypropylene)	US-PGPUB; USPAT	OR	ON	2008/06/17 13:43
S58	2	S56 and polyethylene and polypropylene	US-PGPUB; USPAT	OR	ON	2008/06/17 13:49
S59	12503	melt near (spinning spin spun)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:03
S60	58	S55 and S48 and S59 and S51	US-PGPUB; USPAT	OR	ON	2008/06/17 14:04
S61	13808	heat near (shrink shrinkage elongate elongation)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:04
S62	18	S55 and S48 and S59 and S51 and S61	US-PGPUB; USPAT	OR	ON	2008/06/17 14:04
S63	14	S62 and (polypropylene polyethylene)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:05
S64	3	(no adj draw) and (no adj shrinkage) and ((multicomponent bicomponent conjugate) and fiber)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:10

S65	3	(no adj draw) and (no adj shrinkage) and (multicomponent bicomponent conjugate) and fiber	US-PGPUB; USPAT	OR	ON	2008/06/17 14:16
S66	414	(no adj draw)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:17
S67	8937	((orientation adj index) birefringence) and (fiber filament)	US-PGPUB; USPAT	OR	OFF	2008/06/17 14:17
S68	5495	polypropylene and polyethylene and ((conjugate bicomponent sheath) near (filament fiber))	US-PGPUB; USPAT	OR	ON	2008/06/17 14:19
S69	100	S68 and S67	US-PGPUB; USPAT	OR	ON	2008/06/17 14:19
S70	14	S68 and S66	US-PGPUB; USPAT	OR	ON	2008/06/17 14:19
S71	0	S69 and (no adj draw)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:21
S72	0	S69 and (no adj shrinkage)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:27
S73	40104	(multicomponent bicomponent conjugate) and (fiber filament)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:28
S74	13586	S73 and (polyethylene and polypropylene)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:29
S75	6691	(fiber filament) and (melt near (spin spinning spun)) and speed	US-PGPUB; USPAT	OR	ON	2008/06/17 14:30
S76	379	(fiber filament) and (no near draw)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:30
S77	65382	(fiber filament) and ((heat near treatment) crimp\$)	US-PGPUB; USPAT	OR	ON	2008/06/17 14:31
S78	25	S75 and S76 and S77	US-PGPUB; USPAT	OR	ON	2008/06/17 14:31
S79	5	S78 and S74	US-PGPUB; USPAT	OR	ON	2008/06/17 14:32
S80	11	S78 and S73	US-PGPUB; USPAT	OR	ON	2008/06/17 14:32
S81	5	S79 and S80	US-PGPUB; USPAT	OR	ON	2008/06/17 14:32
S82	742320	orientation birefringence	US-PGPUB; USPAT	OR	ON	2008/06/17 14:33
S83	6064	S82 and S74 and S73	US-PGPUB; USPAT	OR	ON	2008/06/17 14:34
S84	3	S83 and S75 and S76 and S77	US-PGPUB; USPAT	OR	ON	2008/06/17 14:34

S85	6064	S73 and S74 and S82	US-PGPUB; USPAT	OR	ON	2008/06/17 14:39
S86	2552	(no near (shrink shrinkage))	US-PGPUB; USPAT	OR	ON	2008/06/17 14:40
S87	47	S86 and S74 and S73	US-PGPUB; USPAT	OR	ON	2008/06/17 14:41
S88	93	S69 and S73 and S74	US-PGPUB; USPAT	OR	ON	2008/06/17 14:50
S89	5	S78 and S73 and S74	US-PGPUB; USPAT	OR	ON	2008/06/17 14:50
S90	5	S78 and S74	US-PGPUB; USPAT	OR	ON	2008/06/17 14:56
S91	11	S78 and S73	US-PGPUB; USPAT	OR	ON	2008/06/17 14:57
S92	15260	S82 and S73	US-PGPUB; USPAT	OR	ON	2008/06/17 14:57
S93	48	S82 and S73 and S86	US-PGPUB; USPAT	OR	ON	2008/06/17 14:57
S94	288	(conjugate bicomponent) and (fiber near (shrink\$))	US-PGPUB; USPAT	OR	ON	2008/06/19 19:13
S95	0	(conjugate bicomponent) and (fiber near (shrink\$)) and (no near draw)	US-PGPUB; USPAT	OR	ON	2008/06/19 19:13
S96	160	(conjugate bicomponent) and (fiber near (shrink\$)) and (draw)	US-PGPUB; USPAT	OR	ON	2008/06/19 19:14
S97	101	S96 and polyethylene and polypropylene	US-PGPUB; USPAT	OR	ON	2008/06/19 19:14
S98	15	(conjugate bicomponent) and (fiber near ((no low) near shrink\$)) and (draw)	US-PGPUB; USPAT	OR	ON	2008/06/19 19:16
S99	908	thermomechanical adj analyzer	US-PGPUB; USPAT	OR	ON	2008/06/20 08:58
S100	6	thermomechanical adj analyzer adj TMA-50	US-PGPUB; USPAT	OR	ON	2008/06/20 08:58
S101	432	(thermomechanical adj analyzer) and (fiber filament)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:00
S102	16	S101 and (fiber filament) near (shrink\$)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:00
S103	16	S101 and (fiber filament) near (shrink\$ expand)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:00
S104	6641	(fiber filament) same (low minus negative) same (shrink\$ expand)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:11
S105	72	S104 and thermomechanical	US-PGPUB; USPAT	OR	ON	2008/06/20 09:12

S106	17	S105 and (bicomponent multicomponent conjugate sheath)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:12
S107	243	"264"/\$.ccls. and ((low no) near draw)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:29
S108	2470	"264"/\$.ccls. and (fiber same shrink\$)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:30
S109	2857	"264"/\$.ccls. and ((fiber filament) same shrink\$)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:30
S110	540	"264"/\$.ccls. and ((fiber filament) near shrink\$)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:31
S111	128	S110 and ((low no) near shrink\$)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:31
S112	4245	"264"/\$.ccls. and (bicomponent multicomponent conjugate sheath)	US-PGPUB; USPAT	OR	ON	2008/06/20 09:34
S113	35	S111 and S112	US-PGPUB; USPAT	OR	ON	2008/06/20 09:34
S114	70	"264"/\$.ccls. and (((low no) near shrink\$) near (fiber filament))	US-PGPUB; USPAT	OR	ON	2008/06/20 09:45
S115	156	"264"/165-211.2.ccls. and ((low no) near draw)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:00
S116	324	polyethylene and polypropylene and (conjugate bicomponent sheath) and ((fiber filament) near shrink\$)	US-PGPUB; USPAT	OR	ON	2008/06/20 13:22
S117	61	S116 and ("264"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2008/06/20 13:23
S118	225	S116 and ("264"/\$.ccls. "525"/\$.ccls. 442/361-364. ccls. 442/352.ccls. "428"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2008/06/20 13:25
S119	82	"4156071"	US-PGPUB; USPAT	OR	ON	2008/06/20 14:20
S120	1	"4156071".pn.	US-PGPUB; USPAT	OR	ON	2008/06/20 14:21
S121	1	(bicomponent conjugate) and polyethylene and polypropylene and (heat crimp) and draw and shrink \$	DERWENT	OR	ON	2008/06/20 14:45
S122	1	(bicomponent conjugate) and polyethylene and polypropylene and spin\$ and draw and shrink\$	DERWENT	OR	ON	2008/06/20 14:47

S123	7	(bicomponent conjugate) and polyethylene and polypropylene and spin\$ and shrink\$	DERWENT	OR	ON	2008/06/20 14:47
S124	33	(bicomponent conjugate) and polyethylene and polypropylene and shrink\$	DERWENT	OR	ON	2008/06/20 14:59

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